			ON AND	Attorney Docket Number	21188P						
			TORNEY R DESIGN	First Named Inventor	Kathrin U. Jansen						
PATI	ENT AF	PLI	CATION	C	COMPLETE IF KNOWN						
	(37 CFI			Application Number	60/457,172						
Declaratio Submitted			Declaration Submitted after Initial	Filing Date	March 24, 2003						
with Initia Filing			Filing (surcharge (37 CFR 1.16 (e))	Group Art Unit							
			required)	Examiner Name							
As a below n	amed inv	entor,	I hereby declare that	t:	. '7						

My residence, post office ad	dress, and citizensh	ip are as st	tated below next to my name	: .							
				an original, first and joint invents sought on the invention entitle							
OPTIMIZED EXPRESSION	OF HPV 31 L1 IN Y	YEAST									
the specification of which		(Title of the Invention)								
bears the Attorney Doc	ket Number and Tit	tle of the In	nvention noted above								
OR is attached hereto OR											
OR was filed on (MM/DD/YYYY) as United States Application Number or PCT International											
Application Number											
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.											
I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.											
certificate(s), or 365(a) of any America, listed below and ha	y PCT international ve also identified be	application	n which designated at least of hecking the box, any foreign	ny foreign application(s) for pat one country other than the Unite application for patent or invent on on which priority is claimed.	d States of						
Prior Foreign Application Number(s)	Country		Foreign Filing Date (MM/DD/YYYY)	Attorney Docket Number	Priority Claimed? YES NO						
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Additional foreign applica											
	tion numbers are lister	d on a suppl	lemental priority data sheet PTC	/SB/02B attached hereto.							
I hereby claim the benefit under	_		tates provisional application(s)								
I hereby claim the benefit under	35 U.S.C. 119(e) of a				Number						
	35 U.S.C. 119(e) of a		tates provisional application(s) Filing Date (MM/DD/YYYY)	listed below.	Number						
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Application Num	35 U.S.C. 119(e) of a	ny United S	tates provisional application(s) Filing Date (MM/DD/YYYY)	Attorney Docket I	Number						

DECLARATION AND POWER OF ATTORNEY for Utility or Design Patent Application

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Addition	al U.S. or PCT inter	national applica	tion numb	ers are list	ed on	a supple	emen	ital priority	data sheet	PTO/S	B/02B a	attached hereto.
	stered practitioner(s)		is applicat	ion and to	trans	act all bu	isines	ss in the U	nited State			tion and revocation, the ademark Office
Name Registration Name Registration Number Number												
Alysia A. Finnegan 48,878						Joanne l	м. G	Giesser				32,838
Vineet Kohli							Swit	tzer				34,740
J. David Reilly												
Direct all correspondence to: X Customer Number 000210												
Name	Alysia A. Finnega	n										
Address	Merck & Co., Inc.	- Patent Depa	artment									
Address	P.O. Box 2000, I	RY60-30			_							
City	Rahway				St	ate	NJ		ZIP		07065-	0907
Country	USA		Tele	phone	(732))594-25	83		Fax		(732)59	94-4720
belief are be the like so m	lare that all statem lieved to be true; a lade are punishable ize the validity of	nd further that by fine or im	t these st prisonm	atements ent, or bo	were	made v	with U.S	the know	ledge tha	t willfu	ıl false	statements and
Name of Sole o	r First Inventor:					A pe	etitio	on has bee	en filed fo	r this u	ınsigne	d inventor
	ven Name (first	and middle [if any])		+			F	amily Na	ame or	Surna	ame
Kathrin U. Inventor's						Jansen ———		· · · · · · · · · · · · · · · · · · ·		1	···-	
Signature		-asei	\leq						Date	2	8 C	2000
Residence: City	Doylestown	17	State	PA		Coun	try	US		Citiz	enship	DE
Post Office Address	Merck &	Co., Inc., P.O	. Box 20	00								
City	Rahway					State	1	NJ	ZIP		0706	5-0907
X Additional	inventors are being	named on the _	l supp	lemental A	Additi	ional Inv	entor	rs(s) sheet((s) PTO/SE	3/02A at	ttached l	hereto.

DECLARATION AND POWER OF ATTORNEY

ADDITIONAL INVENTOR(S) Supplemental Sheet

Name of Addition	Name of Additional Joint Inventor, if any:					A petition has been filed for this unsigned inventor						
Give	n Na	ame (first and middle [it	fany])					F	amily Na	ame or Surna	me	
Loren D.					s	chultz	:					
Inventor's Signature		In P.	[de	hu	R				Date	28-0	cf. 2003	
Residence: City	Har	leysville	State	PA		Cou	ntry	US		Citizenship	US	
Post Office Address		Merck & Co., Inc., P.O.	Box 200	00	,							
City		Rahway	_		Sta	State NJ ZIP 07065-0907						
Name of Addition	nal J	oint Inventor, if any:				A	petiti	on has be	een filed f	or this unsigne	d inventor	
Given Name (first and middle [if any])								F	amily Na	ime or Surnai	ne	
Michael P.						leeper						
Inventor's Signature							Date					
Residence: City	Coll	legeville		Cou	ntry	US		Citizenship	US			
Post Office Address		Merck & Co., Inc., P.O.	00									
City		Rahway			Sta	ıte	NJ	!	ZIP	07065-090	7	
		oint Inventor, if any:] A	petiti	on has be	een filed f	or this unsigne	d inventor	
	n Na	ame (first and middle [if	any])					F	amily Na	ime or Surnar	ne	
Henry Z.		**************************************			Markus							
Inventor's Signature									Date			
Residence: City	Wyı	ncote	State	PA		Cou	ntry	us		Citizenship	US	
Post Office Address		Merck & Co., Inc., P.O.	Box 200	00								
City		Rahway			Sta	ite	NJ		ZIP	07065-090	7	
		oint Inventor, if any:				A	petiti			or this unsigne		
Give	n Na	me (first and middle [if	any])					F	amily Na	ime or Surnar	ne	
Inventor's Signature									Date			
Residence: City			State			Cou	ntry			Citizenship		
Post Office Address		Merck & Co., Inc., P.O.	Box 200	00								
City	Rahway						state NJ ZIP			07065-090	07065-0907	

21188P Attorney Docket Number **DECLARATION AND POWER OF ATTORNEY** Kathrin U. Jansen First Named Inventor FOR UTILITY OR DESIGN COMPLETE IF KNOWN PATENT APPLICATION (37 CFR 1.63) 60/457,172 Application Number March 24, 2003 Declaration Submitted Filing Date Declaration X Submitted after Initial OR Filing (surcharge (37 CFR 1.16 (e)) with Initial Group Art Unit Filing required) Examiner Name

As a below named invento															
As a below named inventor, I hereby declare that:															
My residence, post office a	ddress, and citizensh	ip are as st	tated below next to my name.	**											
				an original, first and joint investigation on the invention entitle											
OPTIMIZED EXPRESSION	OF HPV 31 L1 IN Y	YEAST													
27 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			Title of the Invention)												
the specification of which	1 201														
bears the Attorney Docket Number and Title of the Invention noted above															
OR is attached hereto															
OR was filed on (MM/DD	/YYYY)		as United States Applicat	tion Number or PCT Internation	onal										
Application Number			ended on (MM/DD/YYYY)		plicable).										
•				pecification, including the cla	ims, as										
amended by any amendmer	it specifically referre	d to above													
I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.															
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f) or 365(b) of any foreign application(s) for patent or inventor's															
certificate(s), or 365(a) of ar	ny PCT international	application	n which designated at least or	ne country other than the Unite	ed States of										
					tor's certificate(s),										
	application having a	Illing date		on winch priority is claimed.	America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.										
Number(s)	Foreign Application Foreign Filing Date Priority Claimed?														
1 : 40: 07	Country		(MM/DD/YYYY)	Attorney Docket Number	Priority Claimed? YES NO										
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Additional foreign applic I hereby claim the benefit unde	ation numbers are listed	ny United St	(MM/DD/YYYY) ermental priority data sheet PTO/States provisional application(s) list Filing Date (MM/DD/YYYY)	SB/02B attached hereto. sted below. Attorney Docket	YES NO										

DECLARATION AND POWER OF ATTORNEY for Utility or Design Patent Application

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Addition	al U.S. or PCT inter	national app	olicatio	on numb	ers are list	ed o	n a suppl	lemen	ntal priority	y data shee	t PTO/	SB/02B a	tached hereto.	
As a named ir following regi connected the	nventor, I hereby app istered practitioner(s rewith:	Customer	e this	applicat ber	ion and to	tran	sact all b	usine	r agent(s) ess in the U	Inited State	ower of	substitut at and Tra	on and revocation, t demark Office	he
Name Registratio Number									N	ame			Registration Number	
Alysia A. Finnegan 48,878							Joanne	М. С	Giesser			:	32,838	
Vineet Kohli	eet Kohli 37,003						Joan E.	Swit	tzer			3	34,740	
J. David Reilly	illy 43,039													
Direct all co	rrespondence to:	X Custon	mer N	lumber	00	02	10							
Name	Alysia A. Finnega	ın												
Address	Merck & Co., Inc	Patent I	Depar	ment										
Address	P.O. Box 2000,	RY60-30												
City	Rahway					Si	tate	NJ	· 	ZIP		07065-0	907	
Country	USA			Tele	phone	(732)594-25	83		Fax		(732)59	4-4720	
belief are be the like so m	lare that all statem lieved to be true; a nade are punishable ize the validity of	and further by fine o	that t	hese sta risonme	atements ent, or bo	wer	e made inder 18	with U.S	the know	ledge that	it willf	ul false s	statements and	
Name of Sole o	or First Inventor:					_[Ар	etitic	on has bee	en filed fo	or this	unsigned	inventor	
	ven Name (first	and midd	le [if	any])		\dashv			F	amily N	ame o	r Surna	me	
Kathrin U. Inventor's							Jansen	<u> </u>			1		****	
Signature			·							Date			,	
Residence: City	Doylestown			State	PA		Cour	ntry	us		Citiz	enship	DE	
Post Office Address	Merck &	Co., Inc.,	P.O. 1	Box 200	00									
City	Rahway						State	1	NJ	ZIP		07065	-0907	
X Additional	inventors are being	named on the	he1	supp	lemental A	Addit	tional Inv	ento	rs(s) sheet	(s) PTO/SE	3/02A a	ttached h	ereto.	



DECLARATION AND POWER OF ATTORNEY

ADDITIONAL INVENTOR(S) Supplemental Sheet

Name of Addition	nal J	oint Inventor, if any:] A	petiti	on has b	een filed i	or this unsigne	d inventor
Give	n Na	ame (first and middle [in	fanvl)		T			F	amily N	ame or Surnai	me
Loren D.		\			s	chultz	:		-		
Inventor's Signature									Date		
Residence: City	Har	leysville	State	PA		Cou	ntry	US		Citizenship	us
Post Office Address		Merck & Co., Inc., P.O.	Box 200	00							
City	,	Rahway			Sta	State NJ ZIP 07065-0907					
Name of Addition	nal J	oint Inventor, if any:				_ A	petiti	on has b	een filed f	or this unsigne	d inventor
Give	n Na	ame (first and middle [it	fany])					F	amily Na	ame or Surnar	ne
Michael P.											
Inventor's Wifael A. Jeeps							`		Date	Oct 31	, 2003
Residence: City	Conegevine State PA					Cou	ntry	US		Citizenship	US
Post Office Address Merck & Co., Inc., P.O. Box 2000											
City		Rahway			Sta	ite	NJ		ZIP	07065-090	7
Name of Addition	nal J	oint Inventor, if any:				A	petiti			or this unsigne	
Give	n Na	ame (first and middle [if	fany])					F	amily Na	ame or Surnai	ne
Henry Z.		·			Markus						
Inventor's Signature									Date		
Residence: City	Wyı	ncote	State	PA		Cou	ntry	US		Citizenship	US
Post Office Address		Merck & Co., Inc., P.O.	Box 200	00		-			,		
City		Rahway			Sta	ite	NJ		ZIP	07065-090	7
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Inventor's Signature									Date		
Residence: City			State			Cou	ntry			Citizenship	
Post Office Address		Merck & Co., Inc., P.O.	Box 200	00							
City		Rahway		Sta	State NJ Z			ZIP	07065-090	7	

DECLARATI		Attorney Docket Number	21188P								
POWER OF AT FOR UTILITY O		First Named Inventor	Kathrin U. Jansen								
PATENT APPL	ICATION	CO	OMPLETE IF KNOWN								
(37 CFR 1.	.63)	Application Number	60/457,172								
Declaration Submitted	Declaration Submitted after Initia	Filing Date	March 24, 2003								
with Initial OR Filing	Filing (surcharge (37 CFR 1.16 (e))	Group Art Unit									
	required)	Examiner Name									
As a below named inventor	r I hereby declare th	at:	-								
		are as stated below next to my n	ame.								
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: OPTIMIZED EXPRESSION OF HPV 31 L1 IN YEAST											
the specification of which	(Title of the Invention) the specification of which										
bears the Attorney Docket Number and Title of the Invention noted above											
OR											
is attached hereto											
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was filed on (MM/DD/	YYYY)	as United States Ap	plication Number or PCT Internation	nal							
Application Number	and	was amended on (MM/DD/YY)	(if app	plicable).							
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or of any PCT international a	pplication having a fil	ing date before that of the applic	ation on which priority is claimed.								
Prior Foreign Application		Foreign Filing Date		Priority Claimed?							
Number(s)	Country	(MM/DD/YYYY)	Attorney Docket Number	YES NO							
Additional foreign applica	ation numbers are listed o	n a supplemental priority data sheet	PTO/SB/02B attached hereto.	<u>-</u>							
I hereby claim the benefit under	35 U.S.C. 119(e) of any	United States provisional application	n(s) listed below.								
		Filing Date	A44 D1.43								
Application Num		(MM/DD/YYYY)		Attorney Docket Number							
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[Page 1 of 3]

DECLARATION AND POWER OF ATTORNEY for Utility or Design Patent Application

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Name Registration Number										Na	ıme					gistration Number	1
Alysia A. Finnegan 48,878						nuer		Joanne	M. (Giesser					32,838	vamber	
Vineet Kohli								Joan E.	Swi	tzer					34,740		
J. David Reilly	lly 43,039														_		
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Name	Alysia .	A. Finnegan															
Address	Merck	& Co., Inc	Patent D	epar	tment												
Address	P.O. Bo	ox 2000, R	Y60-30				_										
City	Rahwa	y 				· · · · · · · · · · · · · · · · · · ·	s	tate	NJ	•	ZIP	ZIP 0706		07065-	7065-0907		
Country	USA				Tele	phone	(732	2)594-25	83		Fax			(732)5	94-4720		
I hereby deci belief are bel the like so m may jeopard	lieved to ade are	o be true; an punishable l	d further by fine or	that t imp	these sta risonme	atements ent, or bo	wei	re made under 18	with U.S	the know	ledge t	hat	willfi	ul false	statemer	its and	
Name of Sole o	r First	Inventor:					-	Ар	etitio	on has bee	n filed	for	this u	ınsigne	d invento)r	
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Kathrin U. Inventor's								Jansen		- 1							
Signature		·				·					Date						
Residence: City	Doy	lestown			State	PA		Cour	ntry	US		_	Citiz	enship	DE		
Post Office Address		Merck & Co	o., Inc., I	?.O .]	Box 200	00											
City		Rahway	-			·		State	;	NJ	ZI	P		0706	5-0907		
X Additional	inventor	rs are being n	amed on th	ie1	supp	lemental A	Addi	tional Inv	vento	rs(s) sheet(s) PTO/	SB/	02A a	ttached	hereto.		

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Name of Additional Joint Inventor, if any:						A petition has been filed for this unsigned inventor						
Give	n Na	ame (first and middle [if	fany])					F	amily Na	ame or Surnai	ne	
Loren D.					Sch	hultz						
Inventor's Signature									Date			
Residence: City	Harl	leysville	State	PA	C	Count	try	US		Citizenship	us	
Post Office Address		Merck & Co., Inc., P.O.	Box 200	00	,					··· -		
City		Rahway			State	State NJ ZIP 07065-0907						
Name of Addition	al J	oint Inventor, if any:				A p	etitio			or this unsigne		
Give				F	amily Na	ime or Surnai	ne					
Michael P.		Ne	eper									
Inventor's Signature							Date					
Residence: City	Coll	egeville	C	Count	try	US		Citizenship	US			
Post Office Address		Merck & Co., Inc., P.O.										
City		Rahway			State	e N	۷J		ZIP	07065-090	7	
		oint Inventor, if any:				A po	etitio			or this unsigne		
Give	n Na	me (first and middle [if	any])		-			F	amily Na	ime or Surnai	ne	
Henry Z.					Markus							
Inventor's Signature		Henry 7.	Me	M					Date	Oct 3.	1-2003	
Residence: City	Wyr	ncote	State	PA	1	Count	try	us		Citizenship	US	
Post Office Address		Merck & Co., Inc., P.O.	Box 200	00								
City		Rahway			State	e N	۷J		ZIP	07065-090	7	
Name of Addition	al J	oint Inventor, if any:				A po	etitic			or this unsigne		
Give	n Na	me (first and middle [if	any])		_			F	amily Na	me or Surnar	ne	
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Inventor's Signature								_	Date			
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Post Office Address		Merck & Co., Inc., P.O.	Box 200	00								
City	Rahway						State NJ ZIP 07065-0907				7	